

Listing of Claims

The following listing of claims will replace all prior versions, and listings, of claims in the subject application:

Claims 1-5 (canceled).

6. (currently amended) A liquid container that accommodates liquid used in an imaging apparatus, the liquid container comprising:

a container main body that forms a liquid accommodating portion for accommodating the liquid;

a flexible film member that is attached to the container main body and is configured to seal an opening of the liquid accommodating portion; and

an air flow path that is formed at the container main body and is configured to discharge air from the liquid accommodating portion; wherein

the air flow path includes a plurality of trenches formed at the container main body, and a through hole that is formed at a wall separating the trenches,

wherein each of the trenches has a wall formed by the flexible member.

7. (original) The liquid container as claimed in claim 6, wherein the air flow path includes a trench formed at the container main body, and a through hole that is formed at a wall blocking a portion of the trench.

8. (original) The liquid container as claimed in claim 7, wherein the through hole is

formed at a position that is detached from a flow path edge line formed by the trench and the film member.

9. (original) The liquid container as claimed in claim 7 or 8, wherein a length of the through hole is arranged such that the liquid does not pass through the through hole when the liquid container is in use and vibration occurs.

10. (original) The liquid container as claimed in claim 7 or 8, wherein a diameter of the through hole is arranged such that the liquid does not pass through the through hole when the liquid container is in use and vibration occurs.

11. (original) The liquid container as claimed in claim 6, wherein the air flow path includes an accumulation portion that accumulates liquid entering the air flow path.

Claim 12-18 (canceled).

19. (currently amended) A liquid supply apparatus that supplies liquid to a recording head of an imaging apparatus, the liquid supply apparatus comprising:

a liquid container including a container main body that forms a liquid accommodating portion for accommodating the liquid, a flexible film member that is attached to the container main body and is configured to seal an opening of the liquid accommodating portion, and an air flow path that is formed at the container main body and is configured to discharge air from the liquid accommodating portion; and

a liquid supply unit for supplying liquid to the liquid container; wherein
the air flow path includes a plurality of trenches formed at the container main body, and a
through hole that is formed at a wall separating the trenches,
wherein each of the trenches has a wall formed by the flexible member.

20. (original) The liquid supply apparatus as claimed in claim 19, further comprising an
atmospheric release unit for opening the air flow path of the liquid container to the atmosphere.

Claim 21 and 22 (canceled).

23. (currently amended) An imaging apparatus that forms an image by discharging liquid
drops from a recording head, the imaging apparatus comprising:

a liquid supply apparatus that includes a liquid container having a container main body
that forms a liquid accommodating portion for accommodating the liquid, a flexible film member
that is attached to the container main body and is configured to seal an opening of the liquid
accommodating portion, and an air flow path that is formed at the container main body and is
configured to discharge air from the liquid accommodating portion; and a liquid supply unit for
supplying liquid to the liquid container, wherein the air flow path includes a plurality of trenches
formed at the container main body, and a through hole that is formed at a wall separating the
trenches,

wherein each of the trenches has a wall formed by the flexible member.

24. (original) The imaging apparatus as claimed in claim 23, wherein the liquid container

of the liquid supply apparatus is installed in a carriage that implements the recording head.

Claims 25-55 (canceled).

56. (previously presented) The liquid container as claimed in claim 6, further comprising:

a liquid introduction path for introducing liquid into the liquid container in a downward direction, wherein said liquid introduction path is separate from the air flow path.

57. (currently amended) ~~[[The]]~~ A liquid container as claimed in claim 6 that accommodates liquid used in an imaging apparatus, the liquid container comprising:

a container main body that forms a liquid accommodating portion for accommodating the liquid;

a flexible film member that is attached to the container main body and is configured to seal an opening of the liquid accommodating portion; and

an air flow path that is formed at the container main body and is configured to discharge air from the liquid accommodating portion; wherein

the air flow path includes a plurality of trenches formed at the container main body, and a through hole that is formed at a wall separating the trenches,

wherein the air flow path includes a plurality of flow path portions, each portion having a wall formed by the flexible film member, and wherein said flow path portions are coupled by another flow path portion, and said another flow path portion does not have a wall formed by the flexible film member.

Claim 58 (canceled).

59. (previously presented) The liquid supply apparatus as claimed in claim 19, further comprising:

a liquid introduction path for introducing liquid into the liquid container in a downward direction, wherein said liquid introduction path is separate from the air flow path.

60. (currently amended) ~~[[The]]~~ A liquid supply apparatus ~~as claimed in claim 19~~ that supplies liquid to a recording head of an imaging apparatus, the liquid supply apparatus comprising:

a liquid container including a container main body that forms a liquid accommodating portion for accommodating the liquid, a flexible film member that is attached to the container main body and is configured to seal an opening of the liquid accommodating portion, and an air flow path that is formed at the container main body and is configured to discharge air from the liquid accommodating portion; and

a liquid supply unit for supplying liquid to the liquid container; wherein
the air flow path includes a plurality of trenches formed at the container main body, and a through hole that is formed at a wall separating the trenches,

wherein the air flow path includes a plurality of flow path portions, each portion having a wall formed by the flexible film member, and wherein said flow path portions are coupled by another flow path portion, and said another flow path portion does not have a wall formed by the flexible film member.

Claim 61 (canceled).

62. (previously presented) The imaging apparatus as claimed in claim 23, further comprising:

a liquid introduction path for introducing liquid into the liquid container in a downward direction, wherein said liquid introduction path is separate from the air flow path.

63. (currently amended) ~~[[The]]~~ An imaging apparatus ~~as claimed in claim 23~~ that forms an image by discharging liquid drops from a recording head, the imaging apparatus comprising:

a liquid supply apparatus that includes a liquid container having a container main body that forms a liquid accommodating portion for accommodating the liquid, a flexible film member that is attached to the container main body and is configured to seal an opening of the liquid accommodating portion, and an air flow path that is formed at the container main body and is configured to discharge air from the liquid accommodating portion; and a liquid supply unit for supplying liquid to the liquid container, wherein the air flow path includes a plurality of trenches formed at the container main body, and a through hole that is formed at a wall separating the trenches,

wherein the air flow path includes a plurality of flow path portions, each portion having a wall formed by the flexible film member, and wherein said flow path portions are coupled by another flow path portion, and said another flow path portion does not have a wall formed by the flexible film member.